

ABSTRACT

43
A hose coupling using at least one reinforcing ring to reinforce a hose coupling during a crimping process, the hose coupling having an inner sleeve, an outer sleeve coaxial with the inner sleeve, and a hose coaxially interposed therebetween. During the crimping process a crimping force is applied directly to the outer sleeve to form at least one depression that results in an area of peak crimp force on the inner sleeve, the depression helping to seal and lock the hose between the inner and outer sleeves. The reinforcing ring is positioned within the inner sleeve and concentric with the area of peak crimp force on the inner sleeve. Consequently, the reinforcing ring prevents the inner sleeve from deforming under the crimping force, thereby ensuring the integrity and long-term durability of the hose coupling. The reinforcing ring preferably has an inside diameter equal to or greater than an inside diameter of the inner sleeve and is disposed within at least one groove located within the inner sleeve to permit unrestricted fluid flow through the hose coupling